

Abstract

Proposed is a radiation protection material, especially for use as radiation protection gloves, comprising at least one layer of a matrix material containing natural or synthetic rubber in which, to attenuate the radiation intensity of scattered radiation, radiation absorbing particles are distributed, whereby at least one layer is formed by dipping a pattern in a latex compound of matrix material followed by vulcanisation of the matrix material on the pattern, where the radiation protection material is lead-free and may comprise several successively formed layers and the matrix material compound comprises about 20 to 40 % by weight, and more preferably about 33 % by weight dry rubber and about 60 to 80 % by weight, preferably about 67 % by weight of the radiation absorbing particles. This polymeric material may also comprise a small amount of a cellulose derivative in the range of about 0.1 to 0.4%, preferably about 0.25% by dry weight.